Guymark UK Ltd

LCD VRA System

User Manual

Version 4.4

Contact Details

Telephone: 01384 410848
Fax: 01384 410898
E-mail: service@guymark.com
Website: www.guymark.com

Product Packing List

- Main VRA unit
- VRA Power supply unit
- VRA Mains cable
- 5 metre VGA cable
- 5 metre DVI cable
- 2 x LCD Monitors
- 2 x Monitor Power cables
- Presenter Mouse
- User Manual

Optional Extras

- USB Footswitch

Contents Page

Product Packing List	Page 1
Guymark Vision VRA System Overview	Page 2
Powering On/Off	Page 3
Operating The Unit	Page 4
Footswitch Operation (optional extra)	Page 4
Bluetooth Operation	Page 4
Configuration	Page 5
Installing New Video Files onto a VRA System	Page 6
Creating a Video Clip for use on the VRA	Page 7
Converting an Image into an AVI Video Clip	Page 8
Technical Specification	Page 9
Troubleshooting Guide	Page 10-11

Guymark Vision VRA System

The main unit connects to the right hand monitor using the 5 metre VGA connection cable. The left hand monitor is connected using the 5 metre length DVI connection cable. For correct operation both monitors need to be connected before the unit is powered up. If monitor placement is close to the main unit shorter VGA and DVI cables can be used.

The Presenter Mouse dongle needs to be connected to either of the USB connections on the VRA unit. If the optional footswitch is being used it should be connected to the bottom USB connection on the back panel.

The Presenter Mouse is used to activate the screens you require and also for normal optical mouse activities when required.

1. Left Screen (DVI Input)
2. Right Screen (VGA Input)
3. Foot Swith (USB) *Optional
4. AC Power Adaptor
5. Presenter Mouse

Power On/Off

The unit is powered on by pressing the power switch on the front of the unit. The LCD display should illuminate with a welcome message. The unit will now "boot". The monitor will flicker, this is quite normal. When the system is loaded, both monitors will show the "Guymark UK Ltd VRA logos" on a white screen.
The unit is now ready for use. To power off the unit press the power switch again. The system will shut down and power off. The monitors will enter standby after a couple of minutes.

Should it be necessary to reset the unit, press and hold the power button for five seconds. The unit will instantly shut off. When the unit is subsequently restarted a boot menu will be displayed for 30 seconds. This can be safely ignored.

Operating the unit

The unit can be operated using either the supplied Presenter Mouse or with an optional footswitch.

Presenter Mouse Operation

The Presenter Mouse is supplied for hand operation of the unit. The left present button operates the left monitor, the right operates the right monitor. The Presenter Mouse automatically shuts down after several minutes of inactivity to conserve battery power, there may be a delay to respond to the first key press after this shutdown. To prevent this press any button on the Presenter Mouse to wake it up before normal use.
The range of the unit can be up to ten metres depending on the environment.

Footswitch Operation (optional extra)

When using the optional footswitch, pressing the left pedal operates the left monitor and the right pedal operates the right monitor.

1. VRA Menu Select (Double-Click)
2. Left Present Screen
3. Right Present Screen
4. Left Click (Setup)
5. Battery Indicator

Configuration

The configuration menu is deliberately hard to accidentally activate during normal use. To enter the configuration menu double click the middle mouse wheel button on the Presenter Mouse.

This will bring up the configuration menu and a mouse pointer. The environments will look familiar to any Windows PC user. From this screen you can select the order of movies and also change the movies with the selection provided by the unit.

Installing New Video Files onto a VRA system

The following procedure details how to install a video clip for use on the VRA unit that is already in the correct format.
(The VRA system uses .avi video files encoded using the DivX codec. The DivX codec uses MPEG-4 Part 2 compression, also known as MPEG-4 ASP.)

- Return to the standard Windows desktop by double clicking the middle button on the mouse and select switch off.
- Copy your new video files onto a standard USB memory stick. Make sure they have the extension .avi.
- Insert the USB memory stick into one of the front sockets on a VRA system. The unit should identify the stick and ask you what to do next. Click on open folder to view files. Click ok. Click the Restore down button. The viewing screen will now be smaller.
- Click the Start button and select My Computer. Browse to the directory C:\VRA\video. This is the directory which stores all the VRA video files and where new files should be deposited.
- Copy the new video files from the USB memory stick by
- using the "drag and drop"technique. Upon completion close all icons red X button.
- The VRA system can now be re-started by clicking on VRA on the desktop.
- The new files should now be available to select from the configuration screen. To do this click on open folder icon.

Creating a Video Clip for use on the VRA

The following procedure details how to create a video clip for use on the VRA unit that is NOT already in the correct format.
(The VRA system uses .avi video files encoded using the DivX codec. The DivX codec uses MPEG-4 Part 2 compression, also known as MPEG-4 ASP.)

- Return to the standard Windows desktop by double clicking the middle button on the mouse and select switch off.
- Open the virtual keyboard from the desktop.
- Open the windows movie maker program.
- Click the import video from the left hand pane window and select the video clip. (note the video images you wish to use will already have to be saved on the VRA system, follow the first 6 steps of the video importing instructions but copy the imported clips to the my documents folder.)
- Drag the video clip to the first large white box on the timeline and select show timeline.
- From the timeline hover over the right hand edge of the image until the red left and right arrows appear, now extend the clip left or right for a duration of approx 10 seconds.
- Click file then save movie file and select my computer if not already highlighted then click next.
- Enter a file name and choose a destination where to save the new video files, this is normally in the C:\VRA\Video.
  Click next.
- Click show more choices. Select other settings and in the dropdown box select DV-AVI (PAL) select next then finish.
- Close the creating a video file for VRA application and your image will now appear in the directory. You can now load this into the VRA program.

Converting an Image into an AVI Video Clip

The following procedure details how to create a video clip from an image for use on the VRA unit.

- Return to the standard Windows desktop by double clicking the middle button on the mouse and select switch off.
- Open the virtual keyboard from the desktop.
- Open the image to AVI program.
- Click add image files and locate your picture file in the left hand window pane, then click ok.
- Set the border size width and height to 0.
- Set the frames per second to 25.
- Set the width to 800 and the height to 600.
- Set the repeat each frame to 10 sec.
- Click output to file and name the file ensuring it ends with .avi eg: sunset.avi and select the location where the VRA video files are stored.
- Click compile images button.
- Change compressor from full frames (uncompressed) to Xvid Mpeg-4 Codec, which you select using the drop down box.
- Press ok and wait for 30 seconds. Your clip will now appear in the directory where you saved it. You can now load this into the VRA program.

Warning: It is the users responsibility to ensure that all videos clips they install onto this unit do not breach copyright laws and that any video clips used are done so with the full permission of the owner.

Technical Specification

Voltage:
A/C adaptor:100 to 240V – 1.2A – 50-60Hz
Main unit: 12V DC 6A 80W
Monitors: Dependent on model and size specified

Environmental:
The unit is passively cooled. Please leave a one inch air gap around the unit. Do not place anything on top of the unit. A thermal shut-down is implemented if overheating is detected. If the unit switches off due to the thermal shutdown please switch off at the mains and allow to cool.
No harm will be done to the unit.

Operating System:
The unit runs a highly optimized sub-set of Windows XP. No user functions apart from the supplied USB stick and selection of videos are possible.

Monitor Connection:
1 x 5m DVI to DVI monitor cable for left hand monitor.
1 x 5m VGA to VGA monitor cable for right hand monitor.

Max Movie Resolution:
800 x 600 pixels DivX format. The DivX codec uses MPEG-4 Part 2 compression, also known as MPEG-4 ASP.
1 Minute maximum duration.

Configuration:
Presenter Mouse for movie configuration.

Remote Control:
Presenter Mouse.

Optional Extras

Footswitch:
Rugged footswitch, connection to bottom USB socket.

Troubleshooting Guide

FAULT	ACTION
Windows Dialogue box pops up... "Cannot make a Visible Window Modal"	This can be caused by continuous pressing of the middle select button. Reset the VRA unit by the on/ off button.
Windows Dialogue box pops up... "Unspecified error"	One or more of the image select buttons either on the mouse or footswitch are permanently or simultaneous pressed in. Reset the VRA unit by the on/ off button.
Presenter Mouse Not functioning	Ensure the on/ off switch on the mouse is in the up position (a green light will appear and stay on for a few seconds then go out indicating presenter mouse is now active.
Red light on Presenter Mouse flashing	Replace the Batteries.
No Response or light indications from mouse	Replace the Batteries. (After a period of time the presenter mouse will go into sleep mode if no activity has been performed. Pressing any of the buttons or movement of the mouse will take it out of sleep mode).
Image Freezes causing VRA Unit to crash	This may happen if the VRA has been continuously used for a period of time causing the unit to get hot. Reset the VRA unit by the on/ off button. (Ensure that there is sufficient air flow around the VRA Unit and that none of the ventilation slots are covered up).
VRA Unit won't switch on (No Display or activity)	Ensure the power supply plug is pushed all the way in at the back of the unit and that the power supply pack is switched on at the mains supply.

No image on one display / image overlapping on the other display	Attach all the cables and power up the VRA ensuring both monitors are switched on. One of the screens should now display the Guymark UK splash screen. Now press the middle button on the Presenter Mouse to activate the VRA menu, and then select "switch off". This should now take you to the windows desktop. From the windows desktop press the right button on the Presenter Mouse and select "properties", then within that box select the "settings" tab. You should now see two monitor boxes marked 1 & 2 however you will notice that the monitor 2 box is greyed out, this needs to be activated by right clicking over the monitor 2 box and selecting "attached" also ensure that the resolution is set to 800 by 600 for both monitors. Click "apply" followed by "ok". The second monitor should now spring back to life. Double click the VRA application icon from the desktop and both monitors on the VRA should now be displaying the Guymark UK splash screens.

For any other problems please contact us on the details below:

Guymark UK Ltd
Veronica House
Old Bush Street
Brierley Hill
West Midlands
DY5 1UB
Tel: 01384 410848
Fax: 01384 410898
E-Mail: service@guymark.com